



60Ah Space Cell



**High energy,
long-cycle life and
low maintenance
lithium-ion cell
for demanding
applications**

Lithiated Nickel Cobalt Aluminum Oxide

Features and Benefits

- Case neutral
- Safety vent feature
- True prismatic design
- Hermetically sealed
- Stainless steel case
- Long life: over 40,000 low-earth orbit cycles at 40% depth of discharge (DOD) over 10 years of operation
- Qualified for operation from -20 to 60°C (-4 to 140°F)

Applications

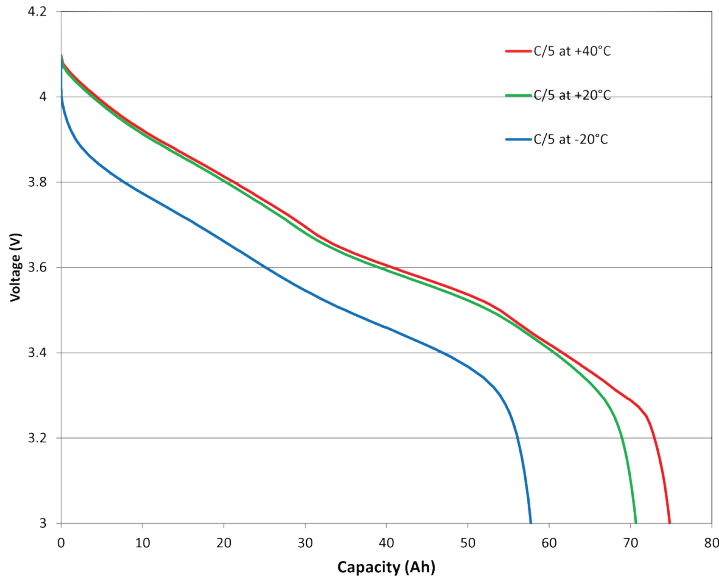
- Aerospace
- Mars landers
- Low-earth orbit satellite missions
- Mid-earth orbit satellite missions
- Geosynchronous-earth orbit satellite missions
- Scientific and exploratory satellite missions

Specifications

Part Number	LP 33037
Nominal Cell Weight	1.6 kg (3.5 lbs)
Dimensions	See details on back
Voltage Range	3.0 to 4.1V
Nominal Voltage	3.6V
Nominal Capacity	60Ah at C/5 at 20°C (68°F)
Energy Density	393 Wh/L
Specific Energy	160 Wh/kg
Discharge Rates	Max constant current 250A
	Max pulse current (<1 sec.) 550A
Nominal Cell Impedance	1mΩ at 20°C (68°F)
Cycle Life (80% capacity measured at 0.5C discharge current at 20°C (68°F))	>2000 at 100% DOD
Standard Charging Method	Constant current 12A (0.2C) to 4.1V
	Constant voltage 4.1V to 1.2A (C/50)
Operating Temperature	-20 to 40°C (-4 to 104°F)
Storage Temperature	-40 to 40°C (-40 to 104°F)

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Discharge Rate Capability at C/5 and Various Temperatures



Discharge Rate Capability at 20°C

